U. S. Department of Commerce Maurice H. Stans Secretary National Bureau of Standards L. M. Braisscoph, Director

## Certificate of Analysis

## STANDARD REFERENCE MATERIAL 1013

## **Portland Cement**

	Percent
SiO <sub>2</sub>	. 24.17
$Al_2O_3$	. 3.30
$\operatorname{Fe_2O_3}$	. 3.07
TiO <sub>2</sub>	. 0.20
$P_2O_5$	20
1	
CaO (+ SrO)	64.34
SrO	.\\0.08
MgO	. 1.39
$SO_3$	. 1.80
$Mn_2O_3$ $\{(\cdot,\cdot)\}$	. 0.05
$Na_2O$	20
K <sub>2</sub> O	32
Li <sub>2</sub> O	. (.001)
$Rb_2O$ $\bigcirc$	. (.004)
Loss on Ignition	99

Values in parentheses are not certified but are given as added information.

Washington, D. C. 20234 January 17, 1962 (Revised April 24, 1964) (Reprinted March 16, 1970) A. A. Bates, Chief Building Research Division